XLeap.

Installation Guide Windows

XLeap Server SCIF Edition

Content

Documentation

This 'Installation Guide' is for an XLeap Server SCIF Edition on Windows Server. It builds on the 'System and Deployment Guide' and does not repeat the concepts related there. It also assumes that the Deployment planning form has been used and the required preparatory steps taken.

This Installation Guide is for the SCIF Edition of the XLeap Server on Windows Server.

If your installer is for

- *Linux, you require 'Installation Guide – Linux'*
- *the commercial (regular) XLeap In-house Server, you want that Installation Guide*

Initial configuration by Server administration of the

- Server on the network
- XLeap Center application

is described in the 'Server Administration Guide – XLeap Server SCIF Edition'.

The detailed configuration and ongoing administration of the XLeap Center by Center administration is explained in the 'Center Administration Guide – XLeap Server SCIF Edition'.

[Download](#) the latest documentation from XLeap's website.

1. Installation prerequisites

Prior to running the installer, make sure you have filled out the planning forms of the System and Deployment Guide. Prior to running the installer of the XLeap Server SCIF Edition, please check that the prerequisites are in place.

1.1 Infrastructure

- ☐ Your (virtualized) hardware meets the system requirements
- ☐ You have received the required public IP address
- ☐ The XLeap Center's hostname has been registered in the DNS
- ☐ Your infrastructure is configured for an XLeap Server SCIF Edition
    - ☐ Firewall/Router (ports, if required NAT)
    - ☐ SMTP gateway (reachable, account)
    - ☐ If conferencing services shall be used:
      Outgoing HTTPS connection is possible (if required via HTTPS-Proxy)
    - ☐ Database server (if required; reachable, account)
    - ☐ Backup system

1.2 Operating system

☐ Your version of Windows Server is supported by the XLeap Server SCIF Edition

☐ The XLeap application can

☐ be reached via TCP 80, 443, 62701

☐ establish the outgoing SMTP connection to the mail gateway directly or via proxy (if email is to be sent, recommended)

☐ establish the outgoing HTTPS connection to the conferencing service directly or via proxy (if conferencing services to be used)

☐ The server machine runs antivirus

1.3 Java

Execution of the installer which is required which is delivered as a '.jar' file requires Java.

☐ The Windows Server runs Java (any contemporary JRE).

The installer and subsequent update installers include a current version of an OpenJDK 8 Developer Kit.

2. Run the XLeap Server SCIF Edition WINDOWS installer

Each installer has a unique ID and is specific to the operating system (Linux or Windows Server) specified in the purchase order.

2.1 Login as "Administrator"

Login to your (virtual) server machine as "Administrator". You require "Administrator" privileges to run the installer.

2.2 Download the installer

The download information for your installer is given on the invoice for the Server. Make sure the installer suits your operating system i.e. "Windows Server".

Download and/or copy the installer into an appropriate directory on the server, e.g.

```
C:\install
```

The Windows installer's filename should read something like

```
xleap-6.1.12-win-inst-scif-1909906245.jar
```

2.3 Execute the installer

Double click the installer and wait for the command prompt (cmd.exe) to open. As the jar-file needs to be extracted before execution, this may take a while.

The installer will now

a) Welcome you to the installation.

Confirm (press 'Enter') to proceed.

b) Install Java

c) Display the Software Subscription Agreement

Unless you have already done so, read the Subscription Agreement carefully. 'Enter' will proceed to the next line of the agreement. "q" will end display and prompt whether you agree with the agreement's terms.

To agree, **you must type "yes" and confirm with 'Enter'**. Anything else will be considered as "no" and terminate the installation.

d) On "yes", check for any previous XLeap Server installations on the machine

If an XLeap Server installation already exists, the installer will quit. You must either (1) uninstall the existing installation or (2) apply an update instead of an installer.

Installers come with a unique Server ID which governs, amongst other things, the subscription administration process. Update installers will only run if they match the ID of the server they shall update.

e) Check the availability of the following application ports.

- TCP 80 (HTTP)
- TCP 443 (HTTPS)
- TCP 62701 (HTTPS for connecting to the console)
- TCP 6830 (internal server control port)

You should install to a dedicated (virtual) machine, so that the ports should be available (free). If one of the above ports is already taken by another application, the installer will quit.

If you cannot make the machine exclusive to the XLeap Server, you should, (1) stop the offending application(s), (2) rerun the installer, (3) reconfigure (move) ports in the Server console as described in the Server Administration Guide and (4) restart the of-

The installer will only check if the named ports are available on the machine, i.e. not taken by another application on that server instance.

The installer does not check the availability of ports from the network!

fending application(s).

f) Check the availability of fonts and install if missing

g) Create user and group 'meetingsphere'*

h) Check if the default report engine works on the system and, if not, check further prerequisites and compile a specific engine

i) Check the availability of the required system libraries

j) Install XLeap to run as user 'meetingsphere'*

k) Create the de-installation program "uninstall"

l)   Start the XLeap Server SCIF Edition
      The boot-up of the server may take up to two minutes.

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* Earlier versions of XLeap were branded 'MeetingSphere'. Legacy naming conventions for services and directories ('meetingsphere') are maintained for backward compatibility.

2.4   Check the availability of the server on the machine

Connect to localhost via port 62701 with a browser on the server machine:

```
http://127.0.0.1:62701
```

If the server application has booted successfully, the server console should be reachable under this URL.

The Server console responds to HTTP requests until a TLS key-store is installed as is described in the Server Administration Guide.

2.5   Connect with a workstation

Connect to the Server console from a workstation under the server's

- IP address, e.g.

  ```
  http://192.168.1.254:62701
  ```

- The registered host name of the XLeap Center, e.g.

  ```
  http://xleap.example.com:62701
  ```

Failure to connect could be due to inappropriate network settings, e.g. the (server's) firewall blocking ports or a NAT-router not forwarding or redirecting ports correctly.

Setup the

1. Server on the network
2. XLeap Center application

as described in the Server Administration Guide for the XLeap Server SCIF Edition.

3. Decommissioning and uninstalling an XLeap Server

Each XLeap Server installer is cryptographically unique. Servers created from the same installer must not be run concurrently as this would constitute a severe breach of the Software Subscription Agreement. It would also, inevitably, lead to severe technical failure.

Therefore, if you plan to re-install a server on another machine, before bringing that server onto the network, you must disconnect and properly decommission the existing server.

1. **Shut down the XLeap Center**

For this, use the Server console.

2. **Backup**

Create a backup.

3. **Run uninstall**

Run 'uninstall' as "Administrator" from directory c:\MEETINGSPHERE, i.e.

```
C:\MEETINGSPHERE\uninstall.bat
```

Uninstall will remove your XLeap Server SCIF Edition completely from your system. Removal includes the embedded databases of the Server Console and, if so, the XLeap Center.

Disclaimer: All information in this installation guide is subject to error and technical change.